

CLAIMS

What is claimed is:

1. A force transmission device for a disc brake comprising:
a first end engageable with a thrust member; and
a second end engageable with a friction element, wherein the force transmission device is operable along a first axis to move the friction element into engagement with a rotary brake disc in response to a loading from the thrust member, and wherein the force transmission device is restrained proximate the first end from movement transverse to the first axis and the force transmission device is unguided proximate the second end.
2. The force transmission device according to claim 1 wherein the second end is remote from the first end, and the second end has a formation that engages the friction element and restricts relative movement therebetween in a direction transverse to the first axis.
3. The force transmission device according to claim 1 further including a housing that restrains movement at the first end transverse to the first axis.
4. The force transmission device according to claim 1 wherein the force transmission device includes at least one tappet.
5. The force transmission device according to claim 4 wherein said at least one tappet is extendable.
6. The force transmission device according to claim 5 further including a tappet shaft and an adjuster shaft, wherein said at least one tappet is extendable by relative rotation of the tappet shaft and the adjuster shaft.

7. The force transmission device according to claim 5 further including a formation that restricts rotation of an element of said at least one tappet to permit the tappet to extend.
8. The force transmission device according to claim 7 wherein the formation includes a non-circular portion of the friction element and a complementary non-circular portion of said at least one tappet, and the non-circular portion of the friction element engages the complementary non-circular portion of said at least one tappet.
9. The force transmission device according to claim 5 further including a cooperating formation between the housing and the tappet to prevent relative rotation between the housing and an element of said at least one tappet when in a retracted position.
10. The force transmission device according to claim 9 wherein the cooperating formation is a plurality of teeth.

11. A disc brake caliper comprising:
 - a housing including a chamber; and
 - a force transmission device for a disc brake mounted within the chamber, and the force transmission device includes a first end engageable with a thrust member and a second end engageable with a friction element,
 - wherein the force transmission device is operable along a first axis to move the friction element into engagement with a rotary brake disc in response to a loading from the thrust member, and
 - wherein the force transmission device is restrained proximate the first end from movement transverse to the first axis and the force transmission device is unguided proximate the second end.

12. A disc brake comprising:
- a housing including a chamber; and
 - a force transmission device for the disc brake mounted within the chamber, and
- the force transmission device includes a first end engageable with a thrust member and a second end engageable with a friction element,
- wherein the force transmission device is operable along a first axis to move the friction element into engagement with a rotary brake disc in response to a loading from the thrust member, and
- wherein the force transmission device is restrained proximate the first end from movement transverse to the first axis and the force transmission device is unguided proximate the second end.